OCT 1 4 2008

FORM PTO-1449 (Modified) Atty Docket No.: P03002US1A; 295620-214153 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary) (37 CFR 1.98(b)) Serial No.: 10/791,049 Applicant(s): Wang et al. Filed: March 2, 2004 Group: 1796 U.S. PATENT DOCUMENTS Exam. Publication/ Patent Number Publication/ Patentee Class Subclass Filing Date Init. Issue Date 5 3 2 0 0 5 07/12/1994 Lawson et al. 7 9 1 3 0 0 03/20/2007 4 Weydert et al. 7 2 8 7 3 5 1 07/03/2007 Wang et al. 7 2 4 4 7 8 3 07/17/2007 Lean et al. 7 3 4 7 2 3 7 03/25/2008 Xie et al. 7 4 0 8 0 08/05/2008 0 5 Zheng et al. 2006/ 0 2 3 5 2 1 8 10/19/2006 Behm et al. Wang et al. (Hange(s) 2007/ 30 1 3 5 5 7 9 06/14/2007 Obrecht et al. document007/ 1 9 6 6 5 08/23/2007 3 Hall et al 2008/ 0 1 4 5 6 6 0 06/19/2008 Wang et al. 2008/ 0 1 4 9 2 Kleckner et al. 3 8 06/26/2008 9/20 2008/ 0 1 6 0 3 5 07/03/2008 0 Wang et al. Warren et al. FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION Exam Document Number Publication Country or Patent Office Class Subclass Translation Init. Date Yes No 2 03/04/1995 1 2 9 1 9 Canada 1 7 8 3 1 6 8 05/09/2007 Europe 2 1 9 1 6 9 07/27/1990 Japan X [Abstract] 2 ī 9 6 8 9 3 08/03/1990 Japan X [Abstract] 7 0 1 0 4 3 01/13/1995 1 Japan X [Abstract] 2000-5 1 4 7 9 1 11/07/2000 Japan X [Abstract] 2006/ 0 9 7 6 9 3 07/06/2006 PCT X [Abstract] 2008/ 0 7 9 2 7 6 07/03/2008 PCT 2008/ 0 7 07/03/2008 PCT 0 OTHER DOCUMENTS (Including Author, Title, Date**, Relevant pages, Place of Publication***) Bohm, Georg et al., "Emerging materials: technology for new tires and other rubber products", Tire Technology International, 2006 (4 pp.) Borukhov, Itamar et al., "Enthalpic Stabilization of Brush-Coated Particles in a Polymer Melt", Macromolecules, Vol. 35, pp. 5171-5182 (2002). Cui, Honggang et al., "Block Copolymer Assembly via Kinetic Control", Science, Vol. 317, pp. 647-650 (August 3, 2007). Edmonds, William F. et al., "Disk Micelles from Nonionic Coil- Coil Diblock Copolymers", Macromolecules, Vol. 39, pp. 4526-4530 (May 28, 2006). O'Reilly, Rachel K. et al., "Functionalization of Micelles and Shell Cross-linked Nanoparticles Using Click Chemistry", Chem. Mater., Vol. 17, No. 24, pp. 5976-5988 (November 24, 2005). Wang, Xiaorong et al., "Strain-induced nonlinearity of filled rubbers", Physical Review E 72, 031406, pp. 1-9 (September 20, 2005). Pre-print article, Wang, Xiaorong et al., "PMSE 392- Manufacture and Commercial Uses of Polymeric Nanoparticles", Division of Polymeric Materials: Science and Engineering (March 2006). Wang, Xiaorong et al., "Manufacture and Commercial Uses of Polymeric Nanoparticles", Polymeric Materials: Science and Engineering, Vol. 94, pg. 659 Wang, Xr. et al., "Fluctuations and critical phenomena of a filled elastomer under deformation", Europhysics Letters, Vol. 75, No. 4, pp. 590-596 (August 15, 2006)

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PTO/SB/08A (04-07)

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INIE	DRAATIC	M DISC	LOSURE	Filing Date	March 2, 2004			
				First Named Inventor	Wang et al.			
STA	TEMENT			Art Unit	1711			
(Use as many sheets as necessary)				Examiner Name	Olga Asinovsky			
eet	1	of	2	Attorney Docket Number	P03002US1A; 295620-214153			

			U. S. PATENT	DOCUMENTS	
Examiner Initials*	Cite No.1	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
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O.A	<u> </u>	^{US-} 2004/0143064 A1	07-22-2004	Wang	· .
OA	<u> </u>	^{US-} 4,386,125	05-31-1983	Shiraki et al.	
OA		^{US-} 4,861,131	08-29-1989	Bois et al.	
OA		^{US-} 5,066,729	11-19-1991	Stayer, Jr. et al.	
OA		^{US-} 5,399,629	03-21-1995	Coolbaugh et al.	
OA		^{US-} 5,521,309	05-28-1996	Antkowiak et al.	
OA		US- 6,437,050	08-20-2002	Krom et al.	
QA.		US-0,524,525	02-25-2003	Perrier et al.	
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	FOREIGN PATENT DOCUMENTS										
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TO THE ADEMARK OFFICE Atty Docket No.: P03002US1A; 295620-214153 INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary) (37 CFR 1.98(b)) Serial No.: 10/791,049 Applicant(s): Wang et al. Filed: March 2, 2004 Group: 1711 **U.S. PATENT DOCUMENTS** Exam. Publication/ Patent Number Publication/ Class Subclass Filing Date Init Issue Date 2005/ 2 4 0 8 09/01/2005 Linetal: Wang et al. 36657 ъ 1 9 7 4 6 2 09/08/2005 Wang et al. docum 2005/ 0 2 1 5 6 9 3 09/29/2005 Wang et al. M.5 2005/ 2 2 8 0 4 10/13/2005 Wang et al. 7 Warren et al. 0 2 2 9 12/22/2005 Bohm et al. Wang et al. 2005/ 8 9/201 5 6 2006/ 0 0 8 4 7 2 2 04/20/2006 Bohm et al. 2006/ 0 1 7 3 08/03/2006 1 1 5 Fudemotolet al. 2006/ 0 1 7 3 1 3 0 08/03/2006 Wang et al. 2 3 2006/ 5 1 2 8 10/19/2006 Bohm et al. 2007/ 0 4 2 5 1 5 0 06/21/2007 Wang et al. Scuratí et al. 2007/ 0 4 2 5 5 9 06/21/2007 Wang et al. 2007/ 0 4 9 1 6 4 Q 06/28/2007 Wang et al. 2007/ 0 1 6 1 7 5 4 07/12/2007 Bohm et al. Wang et al. 2007/ 1 8 5 2 7 3 08/09/2007 Hall et al. Wang et al. 2007/ 0 9 1 6 6 5 3 08/23/2007 Hall et al. 4 5 9 8 1 0 5 07/01/1986 Weber et al. 5 7 4 2 1 1 8 04/21/1998 Endo et al. 7 6 7 2 3 1 1 04/27/2004 Ajbani et al. 6 7 3 7 4 8 6 05/18/2004 Wang 7 2 0 5 3 0 04/17/2007 Wang et al. FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION Exam. Document Number Publication Country or Patent Office Class Subclass Translation Init. Date Yes No OTHER DOCUMENTS (Including Author, Title, Date**, Relevant pages, Place of Publication***) Akashi, Mitsuru et al., "Synthesis and Polymerization of a Styryl Terminated Oligovinylpyrrolidone Macromonomer", Die Angewandte Makromolekulare Chemie", 132, pp. 81-89 (1985). Alexandridis, Paschalis et al., "Amphiphilic Block Copolymers: Self-Assembly and Applications", Elsevier Science B.V., pp. 1-435 (2000). Allgaier, Jurgen et al., "Synthesis and Micellar Properties of PS-PI Block Copolymers of Different Architecture", ACS Polym. Prepr. (Div Polym. Chem.), Vol. 37, No. 2, pp. 670-671 (1996). Antonietti, Markus et al., "Determination of the Micelle Architecture of Polystyrene/Poly(4-vinylpyridine) Block Copolymers in Dilute Solution", Macromolecules, 27, pp. 3276-3281 (1994). Antonietti, Markus et al., "Novel Amphiphilic Block Copolymers by Polymer Reactions and Their Use for Solubilization of Metal Salts and Metal Colloids", Macromolecules, 29, pp. 3800-3806 (1996). Batzilla, Thomas et al., "Formation of intra- and intermolecular crosslinks in the radical crosslinking of poly(4-vinylstyrene)", Makromol. Chem., Rapid Commun. 8, pp. 261-268 (1987). Bauer, B.J. et al., "Synthesis and Dilute-Solution Behavior of Model Star-Branched Polymers", Rubber Chemistry and Technology, Vol. 51, pp. 406-436 Berger, G. et al., "Mutual Termination of Anionic and Cationic 'Living' Polymers", Polymer Letters, Vol. 4, pp. 183-186 (1966). / DARLA TIEPERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /O.A./ FORM PTO-1449 (Modified)
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TRADEMARK OFFICE Atty Docket No.: P03002US1A INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary) (37 CFR 1.98(b)) Serial No.: 10/791,049 Applicant(s): Wang et al. Filed: March 2, 2004 Group: 1711 **U.S. PATENT DOCUMENTS** Publication/ Patent Number Publication/ Patentee Class Subclass Filing Date Exam. Issue Date Init 04/20/1982 Rembaum /OIAV 05/31/1983 Shiraki et al. 01/05/1988 Fluwyter 09/27/1988 Schwartz 08/29/1989 Bois et al. 11/19/1991 Srayer, Jr. et al. 12/17/1991 Schwartz et al. 03/16/1993 Cheung 04/07/1996 Maxfield et al. 05/07/1996 05/28/1996 Antkowiak et al. 01/13/1998 Takekoshi et al. 06/08/1999 Wang et al. q ī n 03/06/2001 Zilg et al. 05/01/2001 Lan et al. 05/28/2002 Miyamoto et al. Nakamura et al. 02/17/2004 Q 02/22/2005 Larson Parker et al. 03/01/2005 10/18/2005 Wang et al. 07/04/2006 Xie et al. ō 09/26/2006 Wang et al. **IOA** FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION Country or Patent Office Document Number Publication Class Subclass Translation Exam. Init. Date Yes No 07/05/1989 Europe /QA/ 01/24/1990 Europe 02/26/1992 Europe 11/13/1996 Europe 04/03/1986 Germany 06/16/1994 Germany 09/06/1994 Japan 04/03/2003 2003-Japan 02/06/1997 PCT 04/17/2003 PCT ī /OA/

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				Application Number	10/791,049	
IN	FORMATION	ח	ISCLOSURE	Filing Date	March 2, 2004	
			- -	First Named Inventor	Wang	
5		-	APPLICANT	Art Unit	1713	
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	OA		US-	5,237,015	8/17/1993	Urban		
	OA		US-	5,247,021	9/21/1993	Fujisawa et al.		
	OA		US-	5,262,502	11/16/1993	Fujisawa et al.		
•	OA		US-	5,290,873	3/1/1994	Noda et al.		
	OA		US-	5,331,035	7/19/1994	Hall		
	OA		us-	5,336,712	8/9/1994	Austgen, Jr. et al.		
	OA		US-	5,421,866	6/6/1995	Stark-Kasley et al.		
	OA		us-	5,447,990	9/5/1995	Noda et al.		
	OA		US- "	5,847,054	12/8/1998	McKee et al.		
Change(s			US-	5,525,639	6/11/1998	Keneko et al.		
to docum	QA ent		US-	5,527,870	6/18/1996	Maeda et al.		
	1 () A I		US-	5,580,925	12/3/1996	lwahara et al.		
/E.M.S.			US-	5,614,579	3/25/1997	Roggeman et al.		
8/19/201	OA		UŞ-	5,627,252	5/6/1997	De La Croi Habimana		
	OA		US-	5,688,856	11/18/1997	Austgen, Jr. et al.		
•	OA		US-	5,728,791	3/17/1998	Tamal et al.		
	OA		US-	5,733,975	3/31/1998	Aoyama et al.		
	OA		US-	5,739,267	4/14/1998	Fujisawa et al.		
,	OA		US-	5,777,037	7/7/1998	Yamanaka et al.	<u> </u>	

FOREIGN PATENT DOCUMENTS								
	Cite No.1	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant			
		Country Code ³ Number ⁴ Kind Code ⁵ ^{gr troomy}			Figures Appear	τ°		
OA		WO2004/058874	7/15/2004	Bridgestone Corp.				
OA		EP 0 265 142 A2	4/27/1988	Rohm and Haas				
OA		EP 0 590 491 A2	4/6/1994	Bridgestone				
OA		EP 1 099 728 A1	5/16/2001	Chiba et al.				

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Attorney Docket Number	P03002US1A						

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•		No.1	•	Number-Kind Code ^{2 (If known)}	MM-DD-YYYY	Applicant of Cited Document	Passages or Relevant Figures Appear	
	OA		US-	3,972,963	8/3/1976	Schwab et al.		
	OA		US-	4,233,409	11/11/1980	Buikley		
	OA		US-	4,247,434	1/27/1981	Vandachoff et al	ovelace et al.	
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to docume			US-	4,543,403	9/24/1985	Isayama et al.		
	L I		US-	4,659,790	4/21/1987	Shimozato et al.		
/E.M.S./	OA		US-	4,788,254	11/29/1988	Kawakubo et al.		
8/19/201	OA		US-	4,829,130	5/9/1989	Licchelli et al.		
	OA		US-	4,837,274	6/6/1989	Kawakubo et al.		
	OA		US-	4,837,401	6/6/1989	Hirose et al.		
	OA		US-	4,870,144	9/26/1989	Noda et al.		
	OA		US-	4,904,730	2/27/1990	Moore et al.		
	OA		US-	4,904,732	2/27/1990	lwahara et al.		
	OA		US-	4,906,695	3/6/1990	Blizzard et al.		
	OA		US-	5,075,377	12/24/1991	Kawakubo et al.		
	OA		US-	5,120,379	6/9/1992	Noda et al.		
	OA		US-	5,514,753	5/7/1996	Ozawa et al.		
	OA		US-	5,169,914	12/8/1992	Kaszas et al.		
	OA		US-	5,219,945	6/15/1993	Dicker et al.		

	FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No.1	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant				
		Country Code ³ Number ⁴ Kind Code ⁵ (F bound)			Figures Appear	T ⁶			
OA		WO 01/87999A2	11/22/2000	Faust et al.					
OA	<u> </u>	WO 02/100936	12/19/2002	Exxon Chem.					
OA		WO 02/31002A1	4/18/2002	UAB Res. Found.					
		WO 91/04992	4/18/1991	Exxon Chem.					
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Examiner Name	1				
Attorney Docket Number	P03002US1A				

				DOCUMENTS	
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	<u> </u>	Number-Kind Code ^{2 of known)}			Figures Appear
OA		^{US-} 4,764,572	8/16/1988	Bean, Jr.	
OA		^{US-} 4,871,814	10/3/1989	Gunesin et al.	
OA		US- 4,920,160	4/24/1990	Chip et al.	
OA		^{US-} 5,036,138	7/30/1991	Stamhuis et al.	
OA		^{US-} 5,130,377	7/14/1992	Trepka et al.	
OA		^{US-} 5,227,419	7/13/1993.	Moczygemba et al.	
OA		us- 5,241,008	7/31/1993	Hall 08/31/1993	
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OA		US- 5,290,878	3/1/1994	Yamamoto et al.	111
ΦA		^{US-} 5,395,902	3/7/1995	Hall	
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OA		^{US-} 5,405,903	4/11/1995	Van Westrenen et al.	
OA		US- 5,436,298	7/25/1995	Moczygemba et al.	
OA		us- 5,438,103	8/1/1995	DePorter et al.	•
OA		us- 5,462,994	10/31/1995	Lo et al.	
OA		^{US-} 5,587,423	12/24/1996	Brandstetter et al.	
OA		^{US-} 5,773,521	7/30/1998	Hoxmeier et al. 06/30/1998	
OA		US- 5,955,537	9/21/1999	Steininger et al.	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No.1	Foreign Patent Document Country Code ⁹ Number ⁴ 'Kind Code ⁵ (# known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	
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